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PPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/617,658	07/14/2003	Masayuki Kamei	240149US90X	4732
22850 7:	590 08/05/2005		EXAMINER	
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.			MCPHERSON, JOHN A	
1940 DUKE STREET ALEXANDRIA, VA 22314			ART UNIT	PAPER NUMBER
	•		1756	

DATE MAILED: 08/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
Office Action Summary	10/617,658	KAMEI ET AL.					
omee near canmary	Examiner	Art Unit					
The MAILING DATE of this communication and	John A. McPherson	1756					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days fill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 05 November 2003 and 22 January 2004.							
2a) This action is FINAL . 2b) ⊠ This	This action is FINAL . 2b)⊠ This action is non-final.						
3) Since this application is in condition for allowan							
closed in accordance with the practice under E	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims	,						
4) Claim(s) 1-6 is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
5)⊠ Claim(s) <u>2-5</u> is/are allowed.							
6)⊠ Claim(s) <u>1 and 6</u> is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/or election requirement.							
Application Papers							
9)☐ The specification is objected to by the Examiner.							
10)⊠ The drawing(s) filed on <u>14 July 2003</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)⊠ All b)□ Some * c)□ None of:							
1.⊠ Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
Attachmant/a							
Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)							
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date							
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 7/03, 6/04, 6/05.	5) Notice of Informal Page 6) Other:	atent Application (PTO-152)					
.S. Patent and Trademark Office	-/ <u></u>						

PTOL-326 (Rev. 1-04)

DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over US 4,942,103 (US '103) in view of JP 63-129322 (JP '322). US '103 discloses a method of making a color filter comprising the steps of forming on a support a negative working dyeable photoresist composition, exposing and developing the photoresist layer so that only the exposed areas remain so as to form filter elements, and dyeing the filter elements, wherein the color filter may find utility in the fabrication of color wheels. See column 2, lines 40-65 and column 11, lines 65-66. However, US '103 does not disclose utilizing a portion containing at least one border of each adjoining filter element as a mask for exposure from the back side of the substrate.

JP '322 discloses a method of making a color filter comprising the steps of forming a photosensitive colored resin film of a third color on a substrate having first and second colored resin layers with low transmissivity to a sensing wavelength, exposing the colored resin to light of the sensing wavelength from the substrate side to photoset a pattern part (i.e. utilizing the borders of the first and second colored resin layers as a mask), and developing the colored resin film to form a patterned color resin layer of the third color. See the abstracts and Figure 6a-g.

It would have been obvious to one skilled in the requisite art to utilize colored photosensitive resins and expose from the substrate side, as taught by JP '322, in a process of making a color wheel having a filter of patterned negative photoresist as set forth in US '103 because it is taught that coloring photo setting resins with a color having low transmissivity to a sensing wavelength and exposing an additional colored resin film from the substrate provides for a color filter having no spacing between the colored resin layers.

Allowable Subject Matter

- 2. Claims 2-5 are allowed because in a color wheel fabrication method as set forth in claim 2 of the present invention, the prior art does not teach or suggest steps (6) and (10).
- 3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to John A. McPherson whose telephone number is (571) 272-1386. The examiner can normally be reached on Monday through Friday, 8:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Huff can be reached on (571) 272-1385. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for

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published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

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John Å. McPherson Primary Examiner Art Unit 1756

JAM 8/4/05